

SAFETY DATA SHEET (GHS Format)

Also available for download at: http://www.WalterLouis.com/MSDS/

1. IDENTIFICATION

Trade Name: 4709 Cooling Water Treatment *Chemical Name & Synonyms:* Proprietary Cooling Water Treatment Blend *UN/ID No:* **UN1760**

2. HAZARDS IDENTIFICATION

Classification: Signal Word: Label Elements:





Acute toxicity-InhalationCategory 1Acute toxicity - OralCategory 1Skin corrosion/irritationCategory 1ASerious eye damage/eye irritationCategory 1Specific target organ toxicity (one exposure) Category 1 Respiratory tract irritation

Category 1

Physical Hazards:

Corrosive to Metals

Hazard Statements:

- H302 Harmful if swallowed.
- H313 May be harmful in contact with skin.
- H319 Causes serious eye irritation.
- H333 May be harmful if inhaled.
- H333 May be harmful if inhaled.

Precautionary Statements:

- P233 Keep container tightly closed
- P234 Keep only in original container
- P262 Do not get in eyes or on skin or on clothing
- P270 Do not eat or drink or smoke when using this product
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS



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Chemical Name	CAS No	Weight-%
Sulfuric Acid	7664-93-9	25-32%
Phosphoric Acid	7664-38-2	6-10%
Hydroxyethylidene	2809-21-4	1-2%
Benzotriazole (Powder/Granular)	95-14-7	<1%

4. First Aid Measures

General Advice:

P101: If medical advice/attention is needed; have product container this SDS, or label at hand **Eye Contact:**

P305/P351/P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337/P313 If eye irritation persists: get medical advice/attention.

Skin Contact:

P303/P361/P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P333/P313 If skin irritation or rash occurs: Get medical attention.

P363 Wash contaminated clothing before reuse.

Inhalation:

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing

P342/P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/911

Ingestion:

P310 Immediately call a POISON CENTER/doctor/911

P301/P330/P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Note to Physicians: Treat symptomatically.

Self-protection of the First Aider: None specific. General healthcare PPE is appropriate

5. Fire-fighting	Measures
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Explosive Properties: N/A

Suitable Extinguishing Media: N/A

Unsuitable Extinguishing Media: N/A

Specific Hazards Arising from the Chemical: None known

Protective Equipment and Precautions for Firefighters:

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

6. Accidental Release Measures

Personal Precautions: Routine PPE for any spill, no unique requirement.



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Environmental Precautions: If not diluted, this product may become a hazardous waste as designated by the EPA under authority of the Resource Conservation and Recovery Act (RCRA)

Methods for Cleaning Up: Product is water soluble and may be diluted and flushed as below described. **Other Information:** This product is intended to be used in open recirculating cooling water treatment and discharged to sanitary sewer in its diluted state in tower bleedoff water. Concentrated product may be diluted to a similar working concentration and flushed to sewer or soaked up with absorbent material and landfilled in accordance with local, state, and federal regulations.

7. Handling and Storage

Advice on Safe Handling: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation.

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Incompatible Materials: See Section 10.

8. Exposure Controls / Personal Protection

Chemical Name	ACGIH TLV	OSHA PEL
Sulfuric Acid	0.2 mg/m3 TWA	1.0 mg/m3
Phosphoric Acid	3.0 mg/m3 TWA	1.0 mg/m3
Exposure Guidelines	N/A	
Engineering Controls	: Ensui	e adequate ventilation, especially in confined areas
Personal protective e	equipment (PPE) We	ar suitable industrial protective clothing
Eye/Face Protection:	i Indus	trial Safety Glasses and/or face shield
Body Protection:	P280	Wear protective gloves/protective clothing.
General Hygiene Con	siderations: P270	Do not eat or drink or smoke when using this product
	P363	Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Clear liquid with slight inorganic odor
1.0
1.25
Mixture
Completely soluble
Not determined
Not determined
N/A
N/A
N/A



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10. Stability and Reactivity

Stability:Stable under normal conditions of use and storageConditions to Avoid:None knownIncompatible Materials:Alkalis, metal alloys, chlorinated hydrocarbons.Hazardous Decomposition Products:Hydrogen gas, Sulfur Oxides may be released if heatedPossibility of Hazardous Reactions:None known

11. Toxicological Information

Blended product not tested.

Chemical	Oral LD50	Dermal LD50	Inhalation LD50
Sulfuric Acid	Rat 2140 mg/kg	N/A	Rat 372 mg/l, 1 hour estimated
Phosphoric Acid	Rat 1911 mg/kg	Rabbit 3940 mg/kg e	st 15,773 mg/l, 1 hr estimated
Hydroxyethylidene	Rat >2000 mg/kg	Rabbit >10,000 mg/k	g No Data Available
Benzotriazole	Rat 560 mg/kg	Rat >1g/kg	rat >1.5mg/l 4 hours
(Powder/Granular)			

Chronic Toxicity:None knownCarcinogenicity:None knownTarget Organ Effects:H335May cause respiratory irritation.

12. Ecological Information

Ecotoxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

No Data

Chemical Name	Toxicity to algae	Toxicity to fish To	oxicity to daphnia and other
Blended product not	tested		aquatic invertebrates
Sulfuric Acid	No Data	45 mg/ml / 96 hrs est.	No data
Phosphoric Acid	No Data	1909 mg/ml / 96 hrs est	. No data
Hydroxyethylidene	EC50/96h/3mg/l	868 mg/ml / 96 hrs est.	EC50/48h/527mg/l
Benzotriazole	EC50/72h/3231mg/l	24.4 mg/ml / 96 hrs est.	EC50/48h/527mg/l
Persistence/Degradability: No Data			
Bioaccumulation:	No Data		

13. Disposal Considerations

Mobility:

Waste from Residues/Unused Products:

This product is intended to be used in open recirculating cooling water treatment and discharged to sanitary sewer in its diluted state in tower bleedoff water. Concentrated product may be diluted to a similar working concentration and flushed to sewer or soaked up with absorbent material and landfilled in accordance with local, state, and federal regulations.

P501 Dispose of contents/container in accordance with local/state/federal regulations

Contaminated Packaging: Do not reuse container for potable / food contact. Wash and rinse thoroughly before reuse / recycling



V: 217-223-2017 F: 217-223-7734 8am-5pm US CST After Hours: CHEMTREC 1-800-424-9300

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14. Transport information (USDOT):

Proper shipping Name:Corrosive Liquid, N.O.S (contains Sulfuric Acid)Hazard Class:CorrosiveUN/ID NoUN1760Packing GroupIIReportable Quantity (RQ)6,666 lbs (calculated)Description:N/A

15. Regulatory Information

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

National Fire Protection Association (NFPA) Ratings:

NSF Certification: N/A

16. Other Information

This Safety Data Sheet compiled from information provided by the raw chemical product manufacturers.

